

US EPA ARCHIVE DOCUMENT

BAM-1020 PARTICULATE MATTER (PM) MONITOR Calibration Data

SITE NAME: KCBX NT-SE
AQS Site Code: N/A
DATE: 15-Apr-14
TIME: 13:40

CLIENT: Koch
SAMPLER ID: BAM
Model Number: BAM-1020
Serial Number: M4791

0.3				
Leak Check ¹ :	0.5	LPM	Flow Rate Calibration Device: BGI	
1. Acceptance Criteria: < 0.5 LPM			Model Number: deltaCal	
Clock/Timer Verification ² :	Serial Number: 1377			
BAM-1020 :	13:45:20	Certification Expiration: 01/21/15		
Reference Time:	13:46:00			
2. Acceptance Criteria: within 60 sec. of Reference Time				
	Sampler Indicated Flow Rate (LPM)	Calibration Flow Rate (Qa) (LPM)	Percent Difference ³ (Sampler vs. Calibration)	Percent Difference ⁴ (Calibration vs. Design)
	16.70	16.57	0.8%	-0.6%

The BAM-1020 operates using actual flow rates, and converts to standard conditions in the onboard data file

3. Acceptance Criteria: $\pm 4.0\%$

4. Acceptance Criteria: $\pm 5.0\%$

TEMPERATURE Calibration Data			
Calibration Device: BGI	Sampler Sensor Temperature (T _s) (°C)	Calibration Sensor Temperature (T _a) (°C)	Temperature Difference ⁵ (Sampler - Calibration) (°C)
Model Number: deltaCal	0.4	0.4	0.0
Serial Number: 1377	0.5	0.3	0.2
Certification Expiration: 01/21/15	0.8	0.8	0.0

5. Acceptance Criteria: ± 2.0 °C

PRESSURE Calibration Data			
Calibration Device: BGI	Sampler Sensor Pressure (P _s) (mm Hg)	Calibration Sensor Pressure (P _a) (mm Hg)	Pressure Difference ⁶ (Sampler - Calibration) (mm Hg)
Model Number: deltaCal	750.0	750.0	0.0
Serial Number: 1377	750.0	750.0	0.0
Certification Expiration: 01/21/15	750.0	750.0	0.0

6. Acceptance Criteria: ± 10.0 mm Hg

Calibration Tech: Greg Mazik

Note: NT-SE monitor is still very difficult to access due to deep mud and water.

URS
Rev. 3 3/2014